

## TITLE OF THE INVENTION

### METHOD AND APPARATUS FOR PREDICTIVE ALTITUDE DISPLAY

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## CROSS-REFERENCE TO RELATED APPLICATIONS

This is a continuation-in-part of U.S. Provisional  
Patent Application Serial No. 60/239,319 filed October 10,  
10 2000, entitled "TERRAIN AWARENESS AND WARNING SYSTEM (TAWS)  
for Aircraft," which is incorporated herein by reference in  
its entirety.

## FIELD OF THE INVENTION

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The present invention relates to avionics, and more  
particularly to altitude displays and terrain awareness  
warning systems.

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## BACKGROUND OF THE INVENTION

A conventional altitude display for a terrain  
awareness warning system (TAWS) for a given aircraft  
provides a pilot with a visual display of the terrain  
25 having an altitude higher than the aircraft, as well as the  
terrain within some distance, usually 2000', below an  
aircraft.

Referring to prior art FIG. 1, an environment is shown  
in which a conventional altitude display could be  
30 important. In situation I, an aircraft 12 is flying at an  
altitude X along a direction vector 16. In situation II,